

Appl. No. : 10/714,097
Filed : November 14, 2003

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-17. (Cancelled)

18. (Currently Amended) A method of ~~forming a communication~~,
comprising:

using a portable communication device with a camera and a display unit therein,
to obtain an image of a bar code;

using said portable communication device to make a telephone call;

using a processor within said portable communication device to determine sizes
of black bars and white spaces ~~analyze spacing between elements~~ within the image of
the barcode, to obtain numerical information indicative of the spacing within the
barcode without decoding the content of the barcode;

using said portable communication device for sending said numerical information
indicative of the bar code to a remote server without decoding the content of the
barcode in said portable communication device; and

receiving and displaying, on said display of said portable communication device,
information obtained from said remote server, which information indicates information
that was represented by the barcode.

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19. (Currently Amended) A method ~~of forming a communication~~,
comprising:

using a portable communication device with a camera and a display unit therein,
to obtain an image of a bar code;

using a processor in said portable communication device to determine edge
spaces defining edges of the barcode within the image, by finding spaces within the
image that are larger than an allowable space between elements of the barcode, and
which spaces define edges of the barcode;

using the processor to determine sizes of black bars and white spaces defining
barcode portions within the image between the edge spaces, and to form numerical
information indicative of said sizes without decoding the content of the barcode
portions;

using said portable communication device to make a telephone call;

using said portable communication device for sending information indicative of
the numerical information indicative of said bar code to a remote server without
decoding said barcode in said portable communication device ;

at a different time than said telephone call or said sending information indicative
of said bar code, using said camera to obtain a video; and

receiving and displaying, on the display unit of said portable device, information
based on said numerical information indicative of said barcode, which information is
received from said remote server.

Claims 20-27 (Cancelled)

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28. (Previously Presented) A method as in claim 18, wherein said bar code is a dual type bar code, with a first a part that is interpreted by a first bar code scanning process to obtain first information and a second part which is interpreted by a second bar code scanning process to obtain second information that has more information than first information.

29. (Previously Presented) A method as in claim 28, wherein said first part is a linear bar code and said second part is a non-linear bar code.

30. (Previously Presented) A method as in claim 28, wherein said first process is a scan in a first direction and said second process is a scan in a second direction.

31. (Previously Presented) A method as in claim 28, wherein said second part is one of grayscale or color of the bar code.

Claims 32-37 (Cancelled)

38. (withdrawn) A method comprising:
using a portable communication device which includes a camera therein to obtain an image of a bar code;
using said portable communication device to make a telephone call;

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decoding information in the bar code to obtain information from the bar code;
and

using said information as an address to access a web site using said portable communication device, said web site being addressed based on said information in the bar code.

39. (withdrawn) A method as in claim 38, wherein said bar code is a two-dimensional bar code.

40. (withdrawn) A method as in claim 38, wherein said bar code is a three-dimensional bar code.

41. (withdrawn) A method as in claim 38, wherein said bar code includes different parts which include different information, one of said parts including said information to access the web site.

42-47 (Cancelled)

48. (Currently Amended) A method, comprising:
using a portable telephone which includes a camera therein, at a first time to make a telephone call;
using the camera in the telephone at a second time to take a video; and
using the camera in the telephone at a third time to obtain an image of a

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barcode, to obtain information indicative of the barcode by using a processor in said portable communication device to determine spaces within the image that are larger than an allowable space between elements that define the barcode, using detection of said space to define edges of the barcode; using the processor to determine numerical information indicative of sizes of bar portions within the image between the spaces without decoding the content of the barcode represented by said barcode, and, and displaying information on the display of the ~~camera~~ portable telephone that is indicative of the information in the barcode without decoding said barcode in said portable telephone and responsive to determining said numerical information without decoding the content of the barcode.

49. (New) A method as in claim 18, wherein said barcode is part of an advertisement, and said information obtained from said remote server represents more information about the advertisement.

50. (New) A method as in claim 19, wherein said wherein said using comprises using the portable communication device to scan an advertisement, and wherein said information based on said numerical information indicative of the barcode that is received from the remote server represents more information about the advertisement.

51. (New) A method as in claim 48, wherein said using the camera at a third time comprises obtaining an image of a barcode from an advertisement, and wherein said information on the display of the portable telephone is indicative of more

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information about the advertisement.

52. (New-Withdrawn) A method as in claim 18, wherein said barcode is associated with an event, and said information obtained from said remote server represents more information about the event.

53. (New-Withdrawn) A method as in claim 19, wherein said wherein said using comprises using the portable communication device to scan information indicative of an event, and wherein said information based on said numerical information indicative of the barcode that is received from the remote server represents more information about the event.

54. (New-Withdrawn) A method as in claim 48, wherein said using the camera at a third time comprises obtaining an image, and wherein said information on the display of the portable telephone is indicative of information about an event.